Product data sheet
Characteristics

XUSLDMY5A0680
safety light curtain type 4 - XUSLDM - for hand protection - 680 mm

Main

Range of product	Preventa Safety detection
Series name	Advanced
Product or component type	Safety light curtain type 4
Device short name	XUSLDM
Output type	1 auxiliary output solid-state PNP/NPN 2 safety outputs OSSD solid-state PNP (NO) (short-circuit protection)
Product specific application	For hand protection
Minimum object diameter for detection	30 mm
[Sn] nominal sensing distance	8 m with Programming and Diagnostic Module (PDM) 0.3...20 m
Height protected	680 mm
Number of beams	34

Complementary

Detection system	Transmitter-receiver system
Response time	23 ms normal 38 ms slow
Kit composition	2 sets of 2 brackets with fixings 1 user guide with certificate of conformity on CD-ROM Arc suppressor set(s) Receiver(s) Test rod(s) Transmitter(s)
[EAA] effective aperture angle	2.5 ° at 3 m
Light source	GaAlAs LED, 880 nm
[Us] rated supply voltage	24 V DC (+/- 20 %)
[Ie] rated operational current	2 A
Current consumption	285 mA (transmitter) 450 mA no-load (receiver) 1.8 A with maximum load (receiver)
Output current limits	625 mA for safety outputs OSSD 100 mA for auxiliary output
Output voltage	24 V
Output circuit type	DC

Monitoring act of of relay MPCE/EDM	50 mA
Local signalling	1 LED (transmitter), function: power supply 4 LEDs (receiver), function: stop, run, interlock, ECS/B Blanking or FB (Floating Blanking)
Electrical connection	1 female connector M12 5 pins (transmitter) 1 female connector M12 8 pins (receiver)
Function available	Alignment aid by display of each light beam broken accessible by cabling alone Automatic start accessible by cabling alone Automatic/manual, manual first cycle accessible via programming and diagnostic module Auxiliary output (alarm or status signalling, PNP or NPN) accessible via programming and diagnostic module Auxiliary output (PNP, status signalling) accessible by cabling alone Blanking (ECS/B) accessible via programming and diagnostic module Cascadable versions with up to 4 segments total, using segments XUS LDS accessible via programming and diagnostic module Display of operating modes and faults by LED and/or PDM accessible via programming and diagnostic module Floating blanking (FB) accessible via programming and diagnostic module LED display of operating modes and faults accessible by cabling alone Light beam coding (A or B) accessible via programming and diagnostic module Monitored blanking accessible via programming and diagnostic module Monitoring of external switching devices (EDM: External Device Monitoring) accessible via programming and diagnostic module Muting accessible via programming and diagnostic module Programming+downloading of conf settings, via programming+diagnostic module(PDM) accessible via programming and diagnostic module Reduction of resolution accessible via programming and diagnostic module Response time (normal, slow) accessible via programming and diagnostic module Sensing distance (short, long) accessible via programming and diagnostic module Start button (NO or NC, 0 V or 24 V) accessible via programming and diagnostic module Test (MTS: Monitoring Test Signal) accessible by cabling alone
Marking	CE
Material	Casing : aluminium End caps : 20 % fibre glass impregnated nylon
Fixing mode	End brackets
Product weight	3.58 kg

Environment

Standards	ANSI B11:19-1990 ANSI/RIA R15.06 EN/IEC 61496-1 EN/IEC 61496-1-2 for type 4 ESPE EN/IEC 61496-2 OSHA 1910-212 OSHA 1910-217C ROHS directive 2002/95/EC Machinery directive 2006/42/EC EMC 2004/108/EC Work equipment directive 2009/104/EC
Product certifications	CSA TÜV UL
Safety level	Type 4 conforming to IEC 61496-1-2 Can reach SIL 3 conforming to IEC 61508 (correctly wired) Can reach category 4 conforming to EN/ISO 13849-1 (correctly wired) Can reach PL = e conforming to EN/ISO 13849-1 (correctly wired)
Safety reliability data	PFH = 4.9E-8 1/h conforming to IEC 61508 (verified in worst case conf: 256 beams, 2 segments, mute), proof test interval = 20 yr
Ambient air temperature for operation	-10...55 °C
Ambient air temperature for storage	-25...75 °C
Relative humidity	0...95 % without condensation
IP degree of protection	IP65
Shock resistance	10 gn for 16 ms conforming to IEC 61496-1
Vibration resistance	0.35 +/- 0.05 mm (f = 10...55 Hz) conforming to IEC 61496-1

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0806 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available End of Life Information
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

XUSLDMY5A0680 may be replaced by any of the following products:

Light curtains XUSL4E30H076N

XUSL type 4 - For hand protection - Std sensing range - Hp = 760 mm, R=30mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | for Muting (With Safety Module)

Light curtains XUSL4E30H076NM

XUSL type 4 - Master for hand protection - Hp = 760 mm, R=30mm

Qty 1

Reason for Substitution: End of life | Substitution date: 12 June 2014 | for M/S